

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	327/536-538.ccls. and ultraso\$4 transducer\$1 and transmission power source and pulse generator\$1 and step up power and switch\$4 and electrode terminal and capacitor \$1 .clm.	US-PGPUB; USPAT	AND	OFF	2009/12/18 15:54
L2	0	363/ 59-62, and ultraso \$4 transducer\$1 and transmission power source and pulse generator\$1 and step up power and switch\$4 and electrode terminal and capacitor\$1 .clm.	US-PGPUB; USPAT	AND	OFF	2009/12/18 15:54
L3	0	320/166, and ultraso \$4 transducer\$1 and transmission power source and pulse generator\$1 and step up power and switch\$4 and electrode terminal and capacitor\$1 .clm.	US-PGPUB; USPAT	AND	OFF	2009/12/18 15:55
S1	21	"5475367"	US-PGPUB; USPAT	OR	OFF	2008/12/18 12:20
S2	9	"6428537"	US-PGPUB; USPAT	OR	OFF	2008/12/18 12:27
S3	1	(plurality transducer\$1 and pulse generator\$1 and power source\$1) and (mode changeover switch\$4 and signal\$1 process\$4 mode\$1) and (capacitor\$1 and power regenerat\$4 capacitor\$1 cascade)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/12/18 12:34

S4	4	(transducer\$1 and pulse generator\$1 and power source\$1) and (mode changeover switch\$4 and signal\$1 process\$4 mode\$1) and (capacitor\$1 and power capacitor\$1 cascade)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/12/18 12:35
S5	1	(ultraso\$5 transducer \$1 and pulse generator \$1 and power supply \$4 source\$1) and (mode changeover switch\$4 and capacitor \$1 and power capacitor \$1 cascade)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/12/18 12:38
S6	24	(ultraso\$5 transducer \$1 and pulse generator \$1 and power supply \$4 source\$1) and (mode changeover switch\$4 )	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/12/18 12:38
S7	4	"6669638"	US-PGPUB; USPAT	OR	OFF	2008/12/18 13:02
S8	40	"5694937"	US-PGPUB; USPAT	OR	OFF	2008/12/18 13:03
S9	2235862	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1)	US-PGPUB; USPAT	OR	OFF	2008/12/18 13:09
S10	246	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1)	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:09
S11	1	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode changeover switch\$4 and cascade)	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:10
S12	1	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode changeover switch\$4 )	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:11
S13	179	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode change over switch\$4 )	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:11
S14	188	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 )	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:12

S15	22	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and cascade capacitor\$1 )	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:12
S16	90	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:13
S17	3	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter and mos relay)	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:14
S18	14	(power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter and mems)	US-PGPUB; USPAT	AND	OFF	2008/12/18 13:19
S19	2	(transducers with pulse generators and power supply source ) and (ultraso\$5 and mode changeover switch\$5)	US-PGPUB; USPAT	AND	OFF	2008/12/18 15:19
S20	2557994	(transducers with pulse generators and power supply source ) and (ultraso\$5 mode change over switch\$5)	US-PGPUB; USPAT	OR	OFF	2008/12/18 15:21
S21	82	(transducers with pulse generators and power supply source ) and (ultraso\$5 mode change over switch\$5)	US-PGPUB; USPAT	AND	OFF	2008/12/18 15:22
S22	29	(transducers with pulse generators and power supply source ) and (ultraso\$5 mode change over switch\$5 and ground\$4 electrode \$1)	US-PGPUB; USPAT	AND	OFF	2008/12/18 16:29
S23	9	(power regenerat\$4 capacitor\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 17:36

S24	4725	(power capacitor\$1)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 17:39
S25	165	(power regeneration capacitors and cascade connect\$5)	US-PGPUB; USPAT	AND	OFF	2008/12/18 17:41
S26	10	(power regeneration capacitors and cascade connect\$5) and (ultrasound and switch)	US-PGPUB; USPAT	AND	OFF	2008/12/18 17:41
S27	58	(power regenerat\$4 capacitor\$1)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2008/12/18 17:43
S28	2	(power regenerat\$4 capacitor\$1) and ultrasound	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2008/12/18 17:57
S29	4	(power regenerat\$4 capacitor\$1) and ultraso\$4	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	NEAR	OFF	2008/12/18 17:57
S30	10	(power regenerat\$4 capacitor\$1) and ultraso\$4	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/12/18 17:58
S31	1	(changeover switch with photo MOS relay)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2008/12/18 18:01
S32	2	(changeover switch and photo MOS relay)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:01

S33	0	(change over switch and photo MOS relay)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:01
S34	119	( switch and photo MOS relay)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:02
S35	1	( mode switch and photo MOS relay)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:02
S36	0	( switch and photo MOS relay) and ultrasound	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:02
S37	17859	( switch and mems)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:06
S38	61	( changeover switch and mems)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:06
S39	5	( changeover switch with mems)	US_PGPUB; USPAT; USOOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2008/12/18 18:08
S40	1	"20040008094"	US_PGPUB; USPAT	OR	OFF	2008/12/20 20:48
S41	6	(power regeneration switch)	US_PGPUB; USPAT	ADJ	OFF	2008/12/20 20:53
S42	1289	600/437.col. and (power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter )	US_PGPUB; USPAT	OR	OFF	2008/12/20 22:45

S43	724	600/407.ccls. and (power regeneration capacitor\$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:45
S44	19	216/6.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S45	42	327/518.ccls. and (power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S46	101	361/2.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S47	67	361/3.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S48	56	361/5.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S49	56	361/6.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46
S50	33	361/7.ccls. and (power regeneration capacitor \$1 and ultraso\$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:46

S51	699	361/18.ccls. and (power regeneration capacitor\$1 and ultraso \$5 transducer\$1) and (mode switch\$4 and dc converter )	US-PGPUB; USPAT	OR	OFF	2008/12/20 22:47
S52	20	"4218768"	US-PGPUB; USPAT	OR	OFF	2009/07/02 16:18
S53	0	600/407-500.ccls. and transmission power source\$1 with suppl\$4 transmission pulse\$1 generator\$1	US-PGPUB; USPAT	WITH	OFF	2009/07/02 16:41
S54	201	600/407-500.ccls. and transmission power source\$1 with suppl\$4 transmission pulse\$1 generator\$1	US-PGPUB; USPAT	AND	OFF	2009/07/02 16:41
S55	54	600/407-500.ccls. and transmission power source\$1 with suppl\$4 transmission pulse\$1 generator\$1 and capacitor\$1 and transducer\$1	US-PGPUB; USPAT	AND	OFF	2009/07/02 16:42
S56	16	600/407-500.ccls. and power regeneration capacitor\$1	US-PGPUB; USPAT	AND	OFF	2009/07/02 17:10
S57	21	((MORIO) near2 (NISHIGAKI)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/02 17:15
S58	167	((MORIO) near2 (NISHIGAKI)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/07/02 17:15
S59	47	((HIROSHI) near2 (FUKUKITA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/02 17:15
S60	208	((HIROSHI) near2 (FUKUKITA)).INV.	EPO; JPO; DERWENT	OR	OFF	2009/07/02 17:15
S61	4386	power regeneration capacitor\$1	US-PGPUB; USPAT	AND	OFF	2009/07/06 11:24
S62	2	power regeneration capacitor\$1	US-PGPUB; USPAT	ADJ	OFF	2009/07/06 11:24
S63	2	"6930896"	US-PGPUB; USPAT	OR	OFF	2009/12/08 14:42

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